

IEN Technical Seminar on Advanced Fabrication: Electroplating Technologies for Microstructure Fabrication



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Thursday, June 6th, 2017 | 12:00pm - 1:00pm
Marcus Nanotechnology Building | Room 1117-1118

Abstract: Electroplating is a ubiquitous technology used to create a wide variety of microstructures. The materials-of-construction range from elemental metals and metal alloys to polymers. Furthermore, electroplating is a relatively simple technology to implement and is adaptable to many types of substrates and initial conditions. In this seminar, we will discuss the application of electroplating technologies to microstructure fabrication. The discussion will include the basics of electroplating as applied to microstructure fabrication, more specialized electroplating techniques, and microsystem applications of electroplating.

Biography: A. Bruno Frazier is a Professor in the School of Electrical and Computer Engineering at Georgia Institute of Technology. Professor Frazier earned a BSEE at Auburn University in 1986, a MS-ECE in 1991 and a PhD-ECE in 1993 at Georgia Institute of Technology. He worked for Intergraph Corp. from 1987-1990 as a Senior Design Engineer. Professor Frazier's research interest are in the general area of biomedical applications of microsystems technology. His current interests are in blood analysis, neural interfaces, and medication adherence. He has published 120+ peer reviewed articles and holds 12 U.S. patents.

